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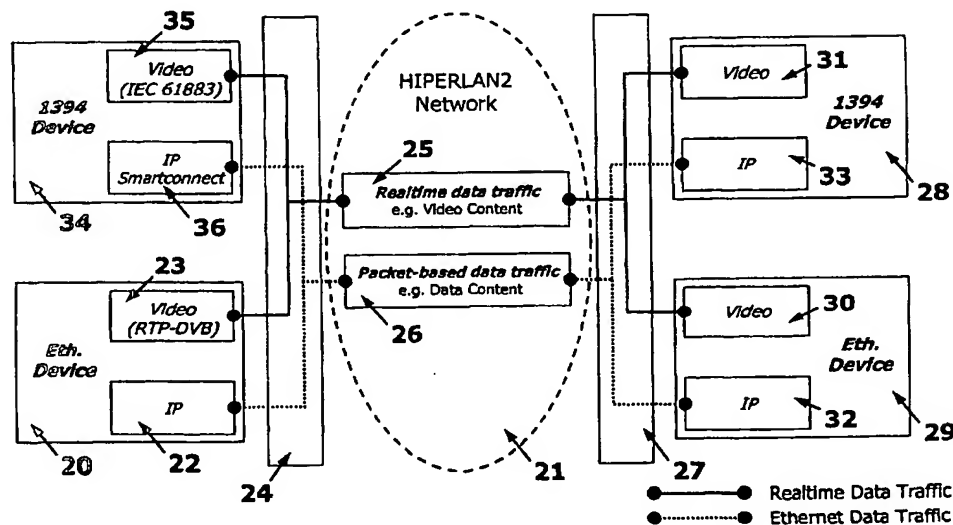
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(54) Title: **CONVERGENCE LAYERS FOR NETWORK DEVICES AND METHOD FOR TRANSMITTING DATA TRAFFIC**



(57) **Abstract:** A network device for an ad-hoc established device network is described, which comprises a content detection layer for detecting the content type of external traffic received by said network device. According to the content type, the external traffic is routed to a content-specific convergence layer dedicated to handling the respective content type. Said content-specific convergence layers exchange network traffic with other network devices via content-specific connections that are suited to the requirements of the respective content type. On the part of a target network device, the received data stream can be routed to any external protocol. Thus, the device network allows interoperability between different external networking protocols.